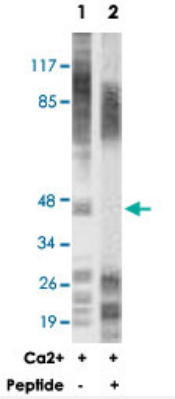
MAPKAPK2 polyclonal antibody

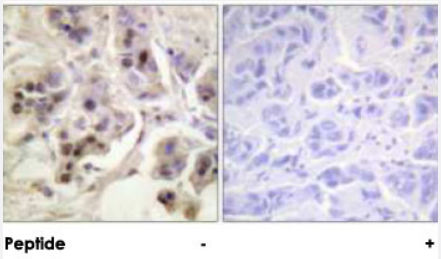
Catalog # PAB18100 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, treated with Ca_{2+} (40 nM, 30 mins), using MAPKAPK2 polyclonal antibody (Cat # PAB18100).
Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MAPKAPK2 polyclonal antibody (Cat # PAB18100).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAPKAPK2.
Immunogen	A synthetic peptide corresponding to human MAPKAPK2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to MAPKAPK2.
Form	Liquid

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Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from HeLa cells, treated with Ca_{2+} (40 nM, 30 mins), using MAPKAPK2 polyclonal antibody (Cat # PAB18100).
  Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — MAPKAPK2

Entrez GeneID	9261
Protein Accession#	P49137
Gene Name	MAPKAPK2
Gene Alias	MK2
Gene Description	mitogen-activated protein kinase-activated protein kinase 2
Omim ID	602006

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Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the Ser/Thr protein kinase family. This kinase is regulated throug h direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase is k nown to be involved in many cellular processes including stress and inflammatory responses, nucl ear export, gene expression regulation and cell proliferation. Heat shock protein HSP27 was sho wn to be one of the substrates of this kinase in vivo. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000034531|OTTHUMP00000034532

Publication Reference

- ERK1/2-activated de novo Mapkapk2 synthesis is essential for osteogenic growth peptide mitogenic signaling in osteoblastic cells.

  Miguel SM, Namdar-Attar M, Noh T, Frenkel B, Bab I.

  The Journal of Biological Chemistry 2005 Nov; 280(45):37495.

  Application: WB, Mouse, MC3T3 E1 cells

- Ischemic preconditioning activates MAPKAPK2 in the isolated rabbit heart: evidence for involvement of p38 MAPK.

  Nakano A, Baines CP, Kim SO, Pelech SL, Downey JM, Cohen MV, Critz SD.

  Circulation Research 2000 Feb; 86(2):144.

  Application: WB-Ti, Rabbit, Heart

Pathway

- MAPK signaling pathway
- Neurotrophin signaling pathway
- VEGF signaling pathway

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